

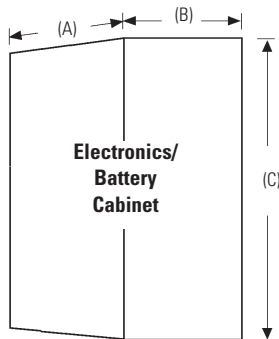


# LOT Series Uninterruptible Power Supplies **LOT**

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1.5 kVA - 4.2 kVA Single Phase UPS System

Operates incandescent, magnetic and electronic ballast fluorescent, high power factor compact fluorescent, and high intensity discharge (HID) lamp types.



kVA	1.5 - 3.5	4.2
Width (A)	36"	36"
Depth (B)	24"	24"
Height (C)	72"	80"

## How to Specify:

LOT										
SERIES	INPUT VOLTAGE	OUTPUT VOLTAGE	UNIT SIZE	BACK-UP DURATION	NOL	OUTPUT CKT BRKRS	# ON 2ND VOLTAGE	# OF NOL CKT BRKRS	NOL VOLTAGE	# OF NOL 2nd VOLTAGE
LOT = Single Phase Uninterruptible Power Supplies	A = 120 V G = 120/240V J = 277 V L = 120/208V	A = 120 V G = 120/240V J = 277 V L = 120/208V Y = 120/277V	1.5 = 1.5 kVA 2.2 = 2.2 kVA 3.0 = 3.0 kVA 3.5 = 3.5 kVA 4.2 = 4.2 kVA	S = 90 min X = 10 min Y = 20 min	0 = None 1 = Yes T = NOL w/ TDT	00X = Hardwire 01X = 1 OCB 02X = 2 OCB 03X = 3 OCB 04X = 4 OCB : : 20X = 20 OCB : : 01A = 1 OCBA 02A = 2 OCBA 03A = 3 OCBA : : 10A = 10 OCBA Max. Pole Spaces 20	00 = 2nd Voltage Hardwire or no 2nd Voltage 01 02 03 : 19	A = 1 B = 2 C = 3 D = 4 E = 5 F = 6 G = 7 H = 8 I = 9 J = 10 K = 11 L = 12 M = 13 N = 14 O = 15 P = 16 Q = 17 R = 18 S = 19 T = 20 Z = No NOL	1 = First 2 = Second 3 = Both 0 = No NOL	A = 1 B = 2 C = 3 D = 4 E = 5 F = 6 G = 7 H = 8 I = 9 J = 10 K = 11 L = 12 M = 13 N = 14 O = 15 P = 16 Q = 17 R = 18 S = 19 Z = No NOL

## Overall Characteristics

- 87 - 90% throughput efficiency, 85% emergency efficiency
- Operating temperature range 32°F (0°C) to 104°F (40°C)
- Fault current rating 42kAIC
- Audible noise less than 50dB at 3 ft on "A" weighted scale
- Automatic low battery voltage disconnect

## Electrical

- Sine Wave Output
- Double conversion, no interruption
- Voltage regulation  $\pm 2\%$
- Frequency regulation - synchronized to utility, free running 60 Hz,  $\pm 0.5\%$
- Output voltage distortion maximum 3% THD with linear load
- Load power factor capability 0.7 lead to 0.7 lag
- Overload capacity 125% for 10 seconds
- Input power factor correcting to 0.99
- Frequency range 60Hz,  $\pm 2.5\%$
- Input harmonic current distortion  $< 5\%$  THD
- UL 1449, ANSI, IEEE C62, 41 surge suppression
- Completely solid-state Pulse Width Modulation (PWM) inverter
- Internal, make before break maintenance by-pass
- Standard, UL 924 compliant, 90 minute battery backup
- UL 924 auxiliary equipment 10 and 20 minute backup available
- Microprocessor control and diagnostic system
- LED array system status panel
- Fault annunciating audible alarm
- Current limiting start sequence
- Optional output circuit breakers (OCB) and circuit breakers with trip alarm (OCBA)
- Optional normally off load (NOL) energizes only during power outage, normally off load with time delay (TDT) also available

## Housing

- Free standing, NEMA 1 enclosure
- Seismic anchoring compatible
- Lockable control access panel

## Applications

- The solid-state Pulse Width Modulated (PWM) inverter offers enhanced load compatibility
- Provides conditioned, uninterruptible power for other types of critical loads. Consult factory for non-lighting load applications.

## Job Information

## Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte Company

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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## System Input/Output Ratings

System Rating (kW/kVA)	1.5	2.2	3.0	3.5	4.2
Input Voltage (V) : Input Current (A)	120 : 22.1	120 : 26.7	120 : 39.4	120 : 45.0	120 : 47.0
	120/240 : N/A	120/240 : N/A	120/240 : 19.1	120/240 : 21.8	120/240 : 23.5
	277 : 9.8	277 : 11.9	277 : 17.1	277 : 19.5	277 : 20.3
	120/208 : N/A	120/208 : N/A	120/208 : 22.1	120/208 : 25.2	120/208 : 27.0
Output Voltage : Output Current*	120 : 12.5	120 : 18.3	120 : 25.0	120 : 29.2	120 : 35.0
	120/240 : N/A	120/240 : N/A	120/240 : 25.0/12.5	120/240 : 29.2/14.6	120/240 : 35.0/17.5
	277 : 5.4	277 : 7.9	277 : 10.8	277 : 12.6	277 : 15.2
	120/208 : N/A	120/208 : N/A	120/208 : 25.0/14.4	120/208 : 29.2/16.8	120/208 : 35.0/20.2
	120/277 : 12.5/5.4	120/277 : 18.3/7.9	120/277 : 25.0/10/8	120/277 : 29.2/12.6	120/277 : 35.0/15.2
OCB Pole Spaces Available					
	without trip alarm	20	20	20	20
with trip alarm	10	10	10	10	10
Heat Rejection (Btu/hr)	515	750	1025	1195	1870
Weight					
	Electronics	650	650	640	840
	90 min battery	445	445	610	760
	20 min battery	90	195	330	350
	10 min battery	60	90	195	230

\* Multi-voltage total loads not to exceed system rating

## Warranty

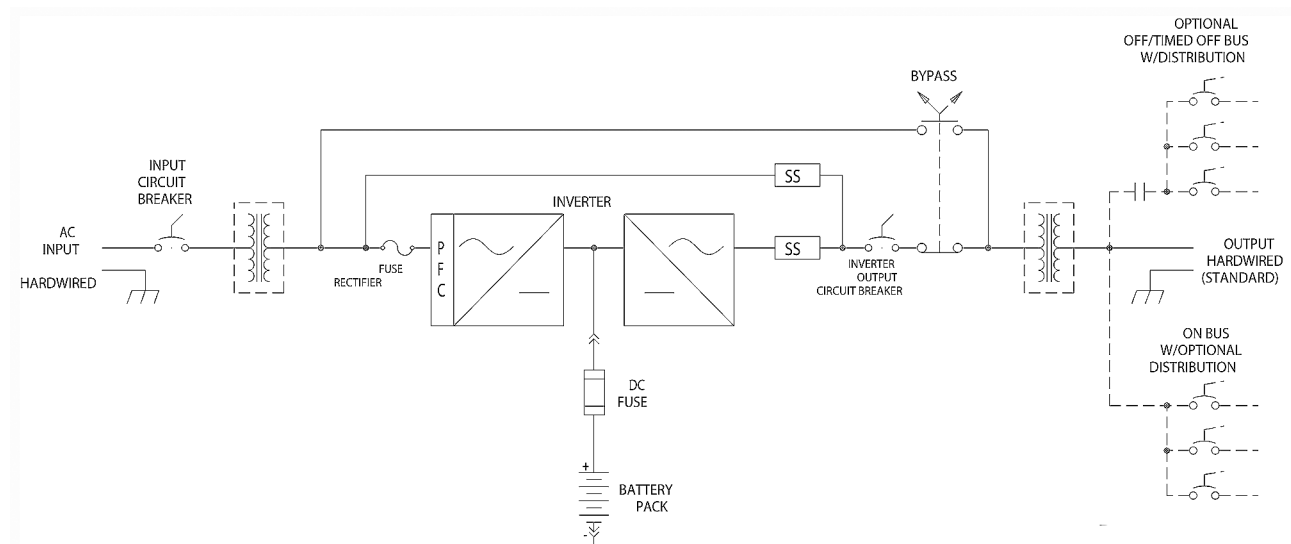
### Standard Warranty

(Requires execution of factory start-up within 120 days of shipment) Lightolier will provide parts and on-site labor for the first 12 months following start-up of the product, and parts only for an additional 12 months. If factory start-up is not executed within 120 days of shipment, Lightolier will provide a parts warranty for 12 months from the date of shipment.

### Extended Warranty

Consult factory for extended warranty and service option.

## System One-Line Diagram



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